NOTE: IF SURVEY MARKERS AT STREET INTERSECTIONS ARE DAMAGED AND/OR DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL HAVE THE MARKER RESET BY A REGISTERED LAND SURVEYOR ACCORDING TO STATE LAW (ARS 33–103).

SURVEY MONUMENT MAY BE LOCATED 5’ N OF MANHOLE. DISTURBED MARKERS (ALIQUOT & NON–ALIQUOT) TO BE RESET WITH FRAME AND COVER. PER PAG 2015 STD. DTL 103, SHEET 2 OF 3. MONUMENT TO BE RESET BY A REGISTERED LAND SURVEYOR.

CHECK SANITARY SEWER RIM FOR POSSIBLE MARKS INDICATING SURVEY MONUMENT LOCATION. DISTURBED MARKS TO BE RESET BY A REGISTERED LAND SURVEYOR.

**TRAFFIC CONTROL TO BE DETERMINED BY TRAFFIC ENGINEERING DIVISION.**

**TRAFFIC CIRCLE LAYOUT DATA:**

<table>
<thead>
<tr>
<th>A STREET WIDTH</th>
<th>R TRAFFIC CIRCLE RADIUS</th>
<th>C</th>
<th>CURB OPENING (L.F.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24'</td>
<td>7.35'</td>
<td>4.7'</td>
<td>8'</td>
</tr>
<tr>
<td>26'</td>
<td>8.75'</td>
<td>4.3'</td>
<td>8'</td>
</tr>
<tr>
<td>28'</td>
<td>10.15'</td>
<td>3.8'</td>
<td>8'</td>
</tr>
<tr>
<td>30'</td>
<td>11.55'</td>
<td>3.4'</td>
<td>9'</td>
</tr>
<tr>
<td>32'</td>
<td>13.0'</td>
<td>3.0'</td>
<td>10.1'</td>
</tr>
<tr>
<td>34'</td>
<td>14.4'</td>
<td>2.6'</td>
<td>11.2'</td>
</tr>
<tr>
<td>36'</td>
<td>15.8'</td>
<td>2.2'</td>
<td>12.3'</td>
</tr>
<tr>
<td>38'</td>
<td>17.25'</td>
<td>1.8'</td>
<td>13.4'</td>
</tr>
<tr>
<td>40'</td>
<td>18.65'</td>
<td>1.4'</td>
<td>14.5'</td>
</tr>
</tbody>
</table>

**TRAFFIC CIRCLE CONSTRUCTION METHOD:**

1. LOCATE PC AND PT AT EACH CURB RETURN. PROJECT LINE CONNECTING PC AND PT. TYPICAL FOR EACH QUADRANT.
2. LOCATE MIDPOINT OF PC–PT CHORD. PROJECT LINE CONNECTING MIDPOINTS OF OPPOSITE CORNERS.
3. MARK LOCATION OF INTERSECTING LINES. STAKE LOCATION REPRESENTS PROPOSED CENTER OF TRAFFIC CIRCLE.
4. REFER TO "TRAFFIC CIRCLE LAYOUT DATA" TABLE FOR SPECIFIC DESIGN OF EACH TRAFFIC CIRCLE.
5. CONTRACTOR SHALL INSURE 20’ MINIMUM CLEARANCE FROM PROPOSED TRAFFIC CIRCLE FACE OF CURB TO EXISTING CURB RETURNS. CONTRACTOR SHALL CONTACT PROJECT ENGINEER IF CLEARANCE CONFLICTS EXIST.
NOTES:
1. LANDSCAPING TO BE DETERMINED BY CITY OF TUCSON PROJECT ENGINEER, NEIGHBORHOOD ASSOCIATION, AND PCRWRD. IN ACCORDANCE WITH THIS DETAIL.
2. ALL SPECIFICATIONS FOR SOLAR RPM'S AND REMOVABLE POST BARRICADES SHALL BE OBTAINED FROM CITY OF TUCSON PROJECT ENGINEER.
3. TRAFFIC CIRCLE NOT TO BE USED IN FLOOD PRONE AREAS OR INTERSECTIONS WITH INVERTED ROADS.
4. TRAFFIC CIRCLE CANNOT BE AT CONSECUTIVE INTERSECTIONS TO ALLOW FOR EASE OF USE FOR COMMERCIAL VEHICLES.

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT COMMENTS:
1. SEWER MANHOLE RIM TO BE REBUILT PER PCRWRD STD. DTL. 212 FOR CONCRETE COLLAR IN UNPAVED AREAS.
CONCRETE CURB TERMINAL SECTION
PER PAG 2015 STD. DTL. 212
(MODIFIED FROM 6:1 TO 2:1)

NEW RAISED VERTICAL TYPE-2
CURB PER PAG 2015
STD. DTL. 209, H=6"

4" YELLOW STRIPE
1" FROM CUTTER

(V4) TYPE D (YELLOW)
TWO-WAY REFLECTIVE RPM

VARIES 8" MIN.
CURB OPENING PER
CIRCLE LAYOUT TABLE

B - SEE SHT. 6 OF 6

NOTE: FOR INTERSECTIONS WITHOUT SEWER MANHOLES.

NOTES:
1. LANDSCAPING TO BE DETERMINED BY CITY OF TUCSON PROJECT ENGINEER,
   NEIGHBORHOOD ASSOCIATION, AND PCTWRD IN ACCORDANCE WITH THIS DETAIL.
2. ALL SPECIFICATIONS FOR SOLAR RPM'S AND REMOVABLE POST
   BARRICADES SHALL BE OBTAINED FROM CITY OF TUCSON PROJECT ENGINEER.
3. TRAFFIC CIRCLE NOT TO BE USED IN FLOOD PRONE AREAS OR INTERSECTIONS
   WITH INVERTED ROADS.
4. TRAFFIC CIRCLE CANNOT BE AT CONSECUTIVE INTERSECTIONS TO ALLOW FOR
   EASE OF USE FOR COMMERCIAL VEHICLES.
HEIGHT MIN. 3” MAX. 6” ADJUSTING RING
PER RWRD STD. DTL. 305

NOTE: REFER TO RWRD STD. DTL. 212 FOR CONCRETE COLLAR IN UNPAVED AREAS.
2" DIA BRASS
SURVEY MARKER
SEE PAG 2015
STD. DTL 103

18" DIA

DETAIL B

18"

2"

NTS

STANDARD DETAIL
TYPICAL TRAFFIC CIRCLE DETAIL

ISSUED:
5/12

REVISED:
7/21

DETAIL NO.
110
M-2021-001
SHEET 5 OF 6
NOTE: NOT FOR USE ON INVERTED CROSS SECTIONS OR FLOOD PRONE AREAS